

What is claimed is:

1. (original) ) A measuring device (1) for detecting signals, particularly signals in an ignition system of an internal combustion engine, with a signal line (2) and a measuring electrode (3) connected to the signal line (2) for coupling a signal to be detected into the signal line (2), characterized by a flexible tip (4).
2. (original) The measuring device (1) as recited in Claim 1, wherein the length of the tip (4) is variable.
3. (currently amended) The measuring device (1) as recited in ~~one of the preceding Claims~~ Claim 1, wherein the tip (4) is modular in design.
4. (currently amended) The measuring device (1) as recited in ~~one of the preceding Claims~~ Claim 1, wherein the tip (4) includes tubular segments (4'); one end of a segment (4') is pivotably inserted into another end of another segment (4').
5. (currently amended) The measuring device (1) as recited in ~~one of the preceding Claims~~ Claim 1, wherein the tip (4) is designed as a flexible tube.
6. (currently amended) The measuring device (1) as recited in ~~one of the preceding Claims~~ Claim 1, wherein it is preferably possible to also lock the tip (4) into position in a bent state.
7. (currently amended) The measuring device (1) as recited in ~~one of the~~

~~preceding Claims~~ Claim 1,

wherein

the measuring electrode (3) is designed as a capacitive primary detector.

8. (currently amended) The measuring device (1) as recited in ~~one of the preceding Claims~~ Claim 1,

wherein

the measuring electrode (3) includes a cap (3a) that is preferably detachably connected with the measuring electrode (3).

9. (original) The measuring device (1) as recited in Claim 8,

wherein

the cap (3a) is a different color than the tip (4), and/or it includes other marking means.

10. (currently amended) The measuring device (1) as recited in ~~one of the preceding Claims~~ Claim 1,

wherein

the signal line (2) includes a preferably single-core, shielded line, in particular a coaxial line or a high-voltage cable.

11. (currently amended) The measuring device (1) as recited in ~~one of the preceding Claims~~ Claim 1,

wherein

the measuring electrode (3) and/or the cap (3a) and/or the tip (4) and/or a handle (5) include fastening means for fastening at least part of the measuring device (1).

12. (currently amended) The measuring device (1) as recited in ~~one of the preceding Claims~~ Claim 1,

wherein

a preferably capacitive voltage divider (6) is provided.

13. (currently amended) The measuring device (1) as recited in ~~one of the preceding Claims~~ Claim 1,

wherein

the tip (4) and/or the cap (3a) are illuminated.

14. (currently amended) The measuring device (1) as recited in ~~one of the preceding Claims~~ Claim 1,

wherein

the illumination is supplied externally, in particular via a separate power cord or the signal line (2), and/or it has a separate power supply.